BROOKLYN ADVERTISEMENTS.

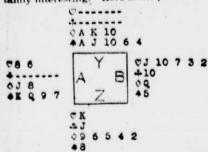
## PROBLEMS FOR SUN READERS TO SOLVE

A Neat Turn at Bridge Made by Throwing Away Three Sure Tricks.

THE MAGIC STAR PUZZLE

A Pretty Position at Checkers-The Walter Scott Cryptogram Still Unsolved.

A number of those who send in solutions for Bergholt's bridge problem No. 160 agree with the statement made when it was published, that there is rather a neat turn to it. The idea of a player's neat turn to it. The idea of a player's was the position," and the doctor laid out the careful of the marks. throwing away three sure tricks so as to make an extra one on the hand is certainly interesting. Here is the position;



There are no trumps and Z is in th lead. Y and Z want seven out of the eight tricks to be played for. Here is the solution.

Like all Berghoit's problems, there is only one opening lead that is sound, the jack of clubs, but A may vary his discards on the first trick as much as he pleases. The easiest solution is brought about by A's discard of a spade or a heart, and many contented themselves with sending in that line of play, one or the other, and saying nothing about his discard of a

If A lets go a heart, Y will discard a spade. Then Z makes his king of hearts while he is in, as this takes away A's power to lead hearts to his partner. On this trick Y lets go another spade. For the third trick Z leads a spade, and of course A will cover with one of his equals, king and queen, forcing Y to play the ace.

Y's band is now good for three diamond tricks and one more spade, as he has two equals in that suit, the jack and ten, and can force A's best spade and win the next one

A may discard a spade on the first trick so as to keep the two hearts. In that case Y also discards a spade, but Z does not

when A discards a diamond on the care, but I cannot find the solution. Let me have a piece of chalk."

Upon being provided with the materials the father drew upon the table a five pointed star. He then produced a leath-yr at once begins to throw his winning diamonds away, beginning with the king.

Z leads a spade for the second trick.

Ruffing Out Suits Likely to Be an Important Part of the Game in lits New Form.

Its New Form.

Z leads a spade for the second trick, and Y wins A's queen with the ace. Y's next lead is the ten of diamonds, putting B in and incidentally dropping A's jack. Now the only thing in the way of Z's long diamond suit is his partner's ace.

When the play gets to this point B has nothing left but hearts and Z wins 2 whatever heart he leads. Y at the same time seizing the opportunity to get rid of the ace of diamonds, so as to leave Z a clear field for four more tricks in that

Suit.

Correct solutions from:
J. L. Scott, William H. Haynes, Merrimack, Charles M. Root, S. G. R., Jay Reed, Milton C. Isbell, W. B. Brush, Max Williams, Arthur S. Browne, C. H. O'Connor, C. F. Darling, Walker McMartin, J. W. Miller, W. O. Johnson, D. Perry, J. W. Wortz, Algernon Bray, W. P. W., A. I. Strasburger, D. A. W., A. J. Schmutz, F. E. Beatty, John W. Low, J. F. Darling, Harry Asher, Florence S. Levy, W. A. Bulkley, Herbert Riker, J. B., Kenneth S. Hogg, Keystone, H. E. W., Burton D. Blair, C. F. Johnson, Henry Andresen, W. Ogden, H. A. McLellan, O. L. T., H. C. Root, F. A. Cotton, T. W. Moorehead, O. H. Boston, Lloyd F. Lonergan, E. M. Frost, B. W. Braine, Murray Corrington, James Hunter, James Steen, George B. Glover, D. Shinns and C. T. L.

Problem No. 160, by H. D. Lyman, does not seem to have been much more difficult than the one that preceded it or else it is that the list of solvers is growing larger. Here is the position: Black men on 2, 13 and 14. White men on 21 and 25, kings on 1 and 15. White to play and expend the place from received to the play and expend the place from received to the play and expend the place from received to the play and expend the place from received to the play and expend the place from received to the play and expend the place from received to the play and expend the place from received to the play and expend the place from received the place from the place from received the place from the and prevent black from getting a king. Here are the moves that solve:



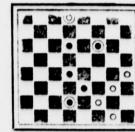
The second move of white's is very clever, leading as it does to the third, which gives the finishing touch. Correct solutions from:

rect solutions from:

James Steen, J. C. Dillard, Henry Lowe, D. L. Perkins, Edward J. Delehanty, O. H. Boston, George C. Gardner, George H. Daniel, W. R. Wolfe, T. W. Moorehead, J. C. Clarke, D. A. W., Austin Healy, R. C. Leach, C. L. Lynn, E. J. Webb, F. C. Husted, Kenneth S. Hogg, Leo Slemker, 44 Merrick road (no signature), Agnes Dorman Druhan, J. T. McFadden, Lemon Thomson, Annie F. Robinson, W. L. Barteaux, J. A. Fisher, Emanuel Williams, E. F. Duffy, A. J. B., W. A. Challoner, J. W. Miller, R. J. Purcell, C. H. O'Connor, E. H. Bergh, John A. Phillips, Milton C. Isbell, Jay Reed, T. E. Connell, Charles M. Root, George B. Edwards and H. B. Martin.

Here is a position arranged by the famous "Herd Laddie," J. Wyllie, which while not particularly difficult is rather pretty and should be instructive for the

PROBLEM NO. 162. CHECKERS. Black.



White to play and win.

failure and remarked that, of course, if the dealer were going to take all the good cards in the pack he could get as many tricks as he liked."

"Referring to the illegal transfer of the jack of hearts from B's hand to the dummy's, of course," remarked the lawyer as he looked over the cards on the table and put them as they were originally

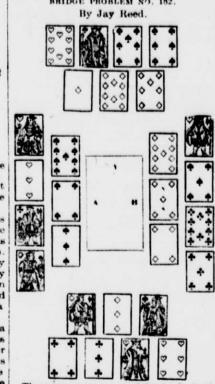
as he looked over the cards on the table and put them as they were originally, the jack of hearts in B's hand and the ten in Y's.

"Precisely," agreed the doctor. "But the dealer said that the exchange was only a bluff and that my partner could keep his old jack of hearts; that the thing which really prevented him from getting six tricks was B's jack of clubs. If the jack of clubs were in my hand, he said, and my partner had the ten, the cards in the hands of the dealer and the dummy might remain as they were and he would guarantee to get six tricks out of the hands against any play."

"I cannot see that it makes any difference," observed the stock broker. "In fact, now that you have shown me the

out the cards.

BRIDGE PROBLEM NO. 182. By Jay Reed.



He bets he can win six tricks out of the seven against any defence. How did he do it?

hand was not very distinct, but it was intended for the jack of clubs. B having only one spade, the five. This jack is the card now transferred to A's hand. B taking the ten that A held last week.

THE MAGIC STAR.

Y also discards a spade, but Z does not lead the king of hearts. Instead of this he comes through A with a spade at once, and Y wins whatever A plays and makes his three diamonds.

By leading one of his equals, jack and ten in spades, Y now puts A in, and that player has his choice to come back with the spade, if he has one left, and give Y two spade tricks; or he can lead a heart

"I see it is useless," began the wise man of the East, "to pursue the subject of magic squares any further with you at present. But a friend of mine who has been interested in my accounts of your proficiency, my son, suggests that I set you a problem in another form."

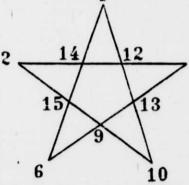
"Any money in it?" inquired the son, within a smile at the recollection of his winnings from the last two problems.

the spade, if he has one left, and give Y two spade tricks; or he can lead a heart and give Z a trick in hearts and one more in diamonds.

But the pretty part of the problem comes when A discards a diamond on the last two problems.

Winnings from the last two problems.

Certainly, my son, replied the father, smiling in return. "As long as I can encourage you to pursue the study of arithmetic, money is no object. I have examined my friend's puzzle with great care, but I cannot find the solution. Let



"If you will study this attentively, my n," he began, "you will see that the son." he began. "you will see that the number of pieces in each of the ten groups is different, but the total number on each of the five lines of the star is the same, thirty-six, and also that I have used up ninety pieces in the process.

"My friend tells me that there is a way

to arrange ten unequal groups of gold pieces so that they shall fulfil the same conditions, each line of the star adding the same, which will require a less number

"Looks that way to me," remarked the

THAT SCOTT CRYPTOGRAM.

THAT SCOTT CRYPTOGRAM.

The gist of the answers so far received to that Walter Scott puzzle is that it cannot be done, and the reason alleged is certainly interesting and should be brought to the attention of Governments that are continually seeking for secret ciphers for diplomatic purposes.

All cryptograms are solved, it appears, by analysis of the vowels, which are the first things looked for, but it seems there are no available data as to the frequency of certain vowel sounds in English, although the most minute statistics are at hand as to the frequency and proportion of the letters that represent these sounds.

Here is what is commonly called the printers' list:

printers' list: ETAISONHRDLUCMFW YFGVBKJQXZ

This represents the comparative frequency with which these letters are needed in a printer's case in setting type. Statistics are also at hand as to the proportion of one letter to another in the initials of proper names for indexing and the relative number of capitals and small letters in a company new proper.

letters in a common novel.

But there is not a single word anywhere about the number of times the sound of "aye" is used as compared to the sound of "ah" or the sound of the hard g as compared to the soft.

This looks like a chance for some investigator to tread an unbeaten path.

Indian Girl's Good Shot. Venice correspondence Denver Times. One of the prettiest exhibitions of marks manship ever seen here was witnessed by a crowd in the vicinity of the post office.

One of the halyards attached to a flag on a high pole of a riding device snapped and the flag and halvard twisted them-selves into the pulley in such a way that it was impossible to get the flag down. manager offered \$25 to any one who would White to play and win.

THE DOCTOR'S PROBLEMS.

"As soon as the dealer showed us that he could get his six tricks, no matter how we played our end of it," the doctor continued, after showing the lawyer and the stock broker the solution, "my partner was inclined to make excuses for our inadager onfered \$25 to any one who would get the flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag was flying from the pole as fully soon feet and the flag in the flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag day was fiving from the pole as full the flag down. Contact her flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, but the flag down. Wenona, an Indian girl, overheard him and procured her rifte. From where she stood to where the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, but the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, but the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, but the eyelet was visible. Carefully sighting, but the eyelet was visible to any one who would get the flag to any one who would get the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, and the eyelet was visible to any one who would get the flag that only a small plece of the top of the eyelet was visible. Carefully sighting, and the eyelet was visible to any one who was fully soon even and the flag that only a small plece of the top of the eyelet was visible. Leading Home Furnishers

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# ROYAL AUCTION IS THE COMING GAME

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Royal Make to Every

FATE OF THE NO TRUMPER by every one. Even in skat they still

against it and the repeated complaints estimated at from three-quarters to a that it is spoiling the game, there is no trick a hand in straight bridge, and the doubt that the royal spade has come to declarer in auction has almost as good stay. The best players do not like it, but a chance in playing the combined hands the average woman does, and that settles at no trump. With a trump call, on the it. Some of the good players even pre-contrary, the adversaries have a shade dict that a year from to-day there will be the better of it, as they seldom carry home

see. In the first place, the name that and it will clear up or bring in your own naturally suggests itself is "royal auction." It both defends and attacks, and the

It has always been so with the names of as a no trumper. offshoot games. When duplicate whist One of the most important uses of the After a year or two it was just plain duplito assume that it will be exactly the same with royal auction.

Judging from the letters THE SUN has received from various parts of the country. the sentiment is in favor of extending the

The idea of this system was to permit a safety bid in any suit, which can neither

Which Promises to Revolutionize .K 6 4 Card Playing.

Whist, Duplicate Whist, Bridge Whist, and Auction Bridge are daily losing prestige, and their former devotees are joining the enthusiastic exponents of this new progeny of the Whist Family. On no ground can any of the older games maintain a claim of superiority over the new favorite. Only those persons who are too narrow to study the principles of this new game will fail to become devoted followers of its play. A comprehensive treatise on its priffciples and laws, by the originator of the game, can be had for one dollar from the Duplicate Auction Whist Supply Co., Pierre, South Dakota. Every card player should obtain this text, without delay, and study the play of the new game which is so rapidly gaining favoritism throughout the country. Its principles and technique of play, founded upon those of Duplicate Whist and Auction Bridge, are not difficult of mastery, but no one should attempt to play the game without the aid of this guide. Order a book to-day, before you lose the publishers' address, and introduce the game in your Club, or community, before your neighbor wins that honor.

Many Players Would Extend the game is evident, the chief being the almost total eclipse of the no trumper.

penalties being unlimited. The Whist Club is just starting to experiment with lilies and will probably have something to say about them in the next edition of its laws.

The great change that the general adoption of these bids will make in the game is evident, the chief being the almost total eclipse of the no trumper. This is unfortunate, because bridge is practically the only intellectual game of cards that is played without a trump suit, and its fascinations are admitted by every one. Even in skat they still have a trump suit of four cards tacked on to the tail of their no trumpers.

At the present time almost all the teaching and certainly all the most interesting post-mortems are on the correct play of no trumpers. It is generally conceded that this declaration gives the declarer in auction has almost as good at the contrary, the adversaries have a shade the better of it, as they seldom carry home any aces.

The great advantage of a trump suit.

The great advantage of a trump suit, the best A can do is to win it and lead a heart, forcing Z. but Y still gets four by cards and game. If A leads anything else Y makes five by cards, because the nine of hearts will bring in the clubs if Y gets in first.

Here is another hand in which the bidding would be rather tame if it were not for the roval spade element. It is In spite of all the objections urged dealer an advantage that is variously

and a year later people may be found addition of a strong suit like royal spades calling it simply "royal."

addition of a strong suit like royal spades leaves little chance for a hand to be played

first came out everybody called it that. trump is to supply the want of high cards in your long weak suits by winning tricks cate. When bridge made its first bow to in that suit until it is established, instead the public it was always called bridge of having to give several tricks away first. whist, but they soon dropped the whist as in a no trumper; but this use of the part of the name. It was the same with trump suit is very little understood by auction bridge, which is seldom spoken the average player and not one in a hunthe average player and not one in a hunof now except as auction. It is only fair dred can recognize a distribution of cards that would work better by ruffing out a long weak suit than by trying to defend a good strong suit.

Ruffing out suits instead of leading out "Looks that way to me," remarked the son carclessly.

"If you can find it." retorted the father, "the ten extra pieces that I shall leave in the centre of the star are yours, and also any that you may be able to save in the arrangement of the star itself."

How much velvet did the young man get out of this one? "The late of this present part of extending out statis makes of steading out trumps to defend the hand is a very important part of the strategy of the game and with the advent of the royals will be still more so, as almost every hand will be a suit call, and the proper management of this one?

win the game from love nor lose more than 100 points in penalties, and to have royal or lily bids in the same suits, any of which would go game from love, the new game.

As an illustration of the principles involved take the following distribution of the cards:

09 8 6 3 2

B 04 Q 9 2 4A Q 3 0Q 10 5 4 47 5 4K J 7 6 5 4 2

4A 9 8 Z dealt and bid two in clubs, so as for show Y that he wanted clubs for trumps, his usual system being to bid one club only when he had sure winning cards at the head of the suit, such as would be

the head of the suit, such as would be useful in assisting a no trumper.

A passed and Y bid one lily, which is a royal spade at nine a trick and therefore better than a heart, but still requiring four by cards to go game from love. By did not care to leave his opponents in with such a cheap contract, so he went no trumps. Z thought best to warn his partner once more about the clubs, so he bid three clubs, but Y went two lilies, as probably the better chance for game.

With such cards as he holds B's proper opening is undoubtedly the trump, but. With such cards as he holds B's proper opening is undoubtedly the trump, but, as pointed out in a previous article, not one auction player in a hundred can be induced to lead trumps right up to the declarer. B began with a small diamond and Y won it with the jack. The next lead was the queen of spades, so as to get a finesse over the king, which might well be in B's hand, as he went no trumps.

A won the trump trick and immediately led two rounds of hearts. These going through he led a third, and this forced Z, who ruffed with the ace and led the small one, putting Y in, so that the club might come from the right hand for the king to make a trick after A's trump was

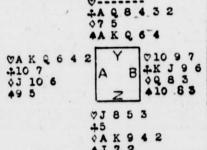
BROOKLYN ADVERTISEMENTS.

dict that a year from to-day there will be no such game as auction bridge as it is now known.

The great advantage of a trump suit.

Just what the new game will be like and what it will be called it is not difficult to use. It will stop the adversaries' suits

the better of it, as they seldom carry home. Here is another hand in which the bidding would be rather tame if it were not for the royal spade element. It is as every good player knows, is its double use. It will stop the adversaries' suits



Z dealt an 1 called one diamond, which is probably what would be done under any system as there are two sure tricks in the suit to help a no trumper. A overcalled with a heart and Y went one lily, which is worth a point more than the heart. When B and Z passed A went two hearts, pushing Y to two lilies. When A said he had enough B led the ten of the called suit, hearts. called suit. hearts.

Y won the trick with a trump and led

ment of the trumps will be the key to success. So many hands are capable of yielding better results by ruffing out a suit to establish it instead of defending oned that is already established or nearly so, that the subject should be carefully studied by all who aspire to be masters of the new game.

As an illustration of the principles involved take the following distribution of the cards:

\[
\begin{array}{c}
\text{Y won the trick with a trump and led out the acce king queen of trumps, so as to exhaust the adversaries, and then he put dummy in with a diamond so as to get the finesse in clubs, which was a mistake. B won the club and led another heart, forcing Y's last trump. After leading the acc of clubs Y found the jack and nine still against him and the only other trick he made was the acc of diamonds in the dummy, which just gave him his contract.

There were two ways in which Y might have won the game with these cards. In the first place the three trump leads were wrong, but even after making them he could have gone game by leading the diamond and ducking the trick altogether, leaving the acce and king to win the second and third rounds of the suit, instead of the first and second. The finesse in clubs was entirely unnecessary.

was entirely unnecessary.

Another way to play the hand was to ruff out the diamond suit instead of ducking it. The moment Y got in on the first heart trick he could have led the

the first heart trick he could have led the the diamond, won two tricks in it and then ruffed the third round with the queen of trumps, not so much to be sure of getting it as to be out of dummy's way if the diamonds all fell.

The moment the shit is cleared by this one ruff all that Y has to do is to lead his two tep trumps and then the small one, putting Z in with the jack, so that he may make his two established diamonds, after which the ace of clubs wins the game without any finessing.

In this case the suit is cleared by

02 B 48 7 4 3 0 A Q 10 4 Q 8 3 4K J 10 5 4 Z dealt and bid a lily at the start. Many THE DOUBLE S. & H. Green Trading Stamps on cash before 12. Premium Parlor, Fourth Floor.

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BROOKLYN ADVERTISEMENTS.

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players on taking up this call for the first time forget that they should declare on the spade suit just as if it were the heart spate. If the spades in Z's hand were hearts no one will gainsay its being a good heart call with a sure trick in clubs to back it up and a suit that can be ruffed.

A had to go two hearts to overcall the spade, and I doubled. Z, having no hearts and a long weak club suit, thought he might have a better chance to go game with the lily than to set the contract in hearts for anything worth while, so he ignored the double and bid two lilies, which allowed A to retire gracefully.

A led the king of hearts and dummy put the accrighton. It should be remarked for the benefit of the student that there is no Bath coup when the acc and jack are to the left of the king and queen, as the jack is good any time. It is only when the king and queen are on the left of the acciack that it pays to hold off and let the king and one are on the left of the acciack that it pays to hold off and let the king win.

Z discarded a diamond on the first trick and then led the trumps from the dummy at once, as he saw that two more heart tricks were possible, and one lead would clear the clubs. On the second round of trumps after leading the acc from dummy years after leading the acc from dummy wint the game with it, five by cards.